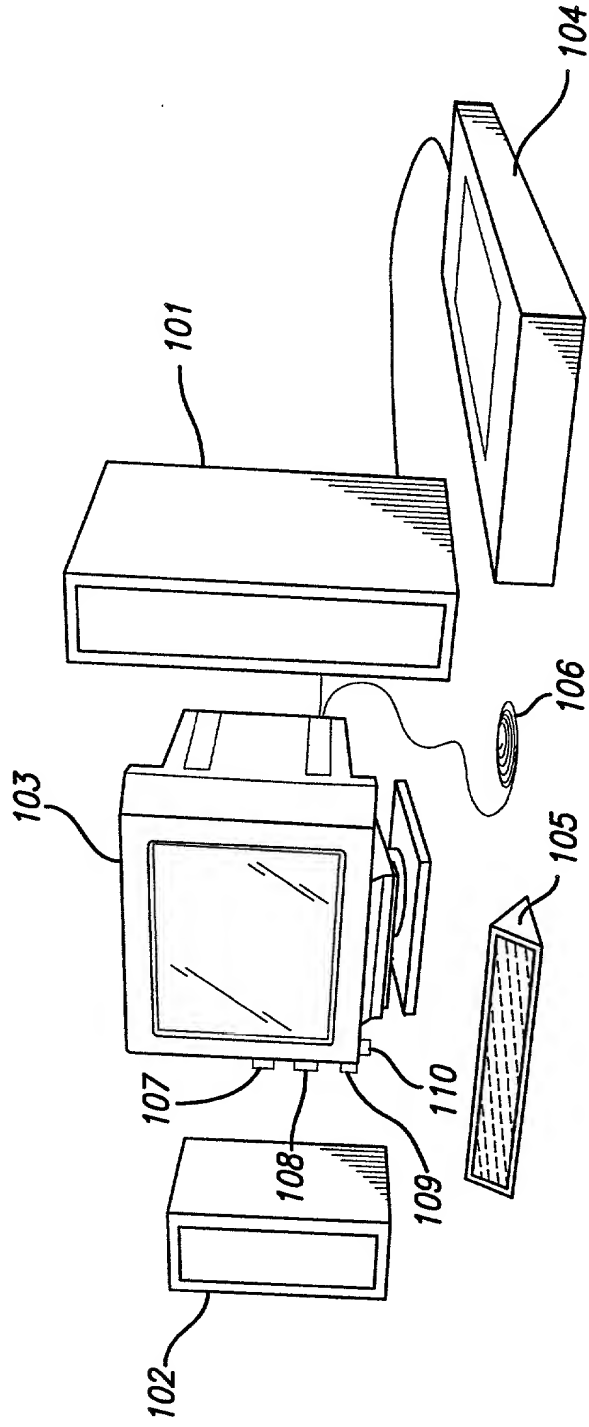


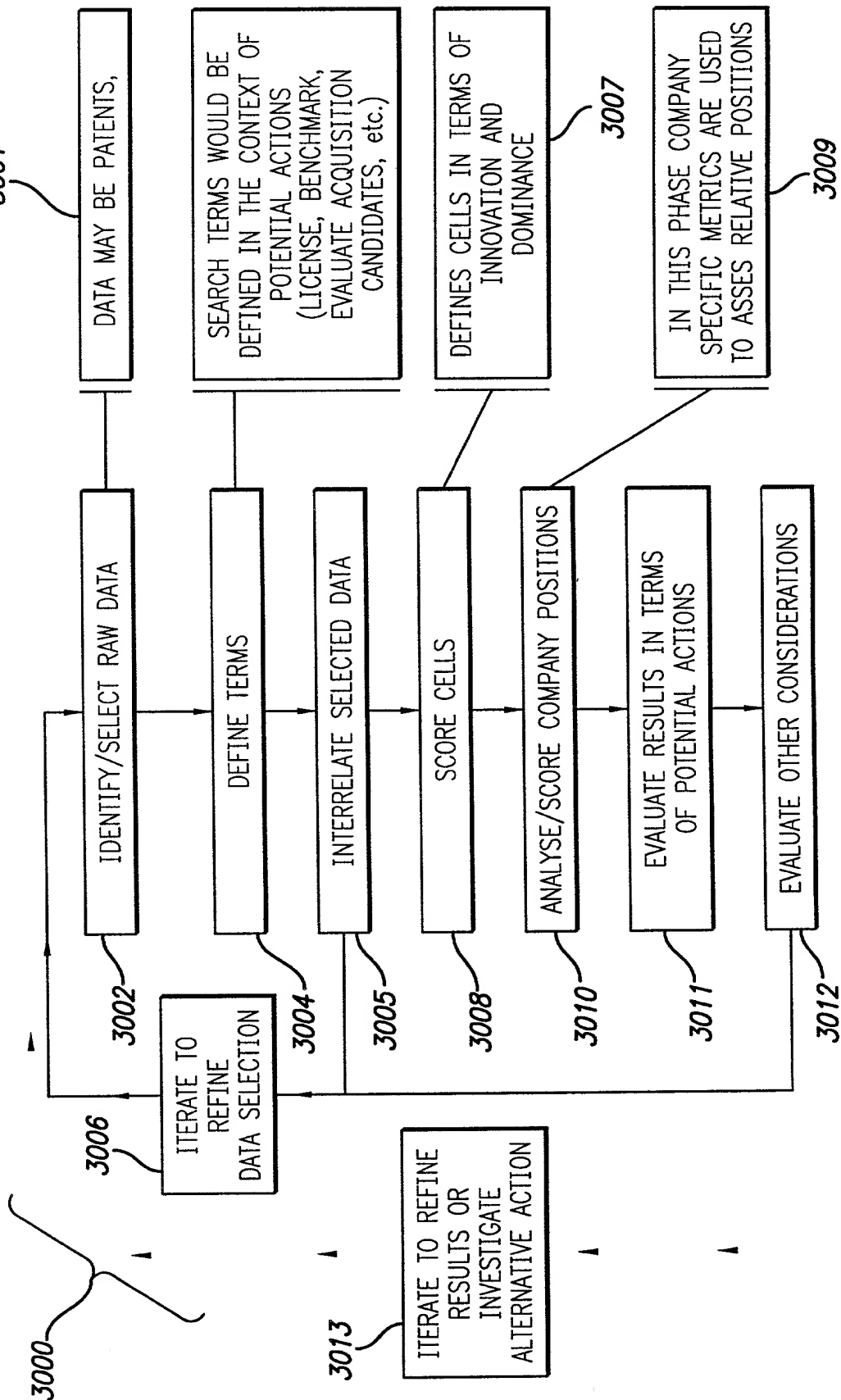
FIG. 1



Patent 8,646,660

S#

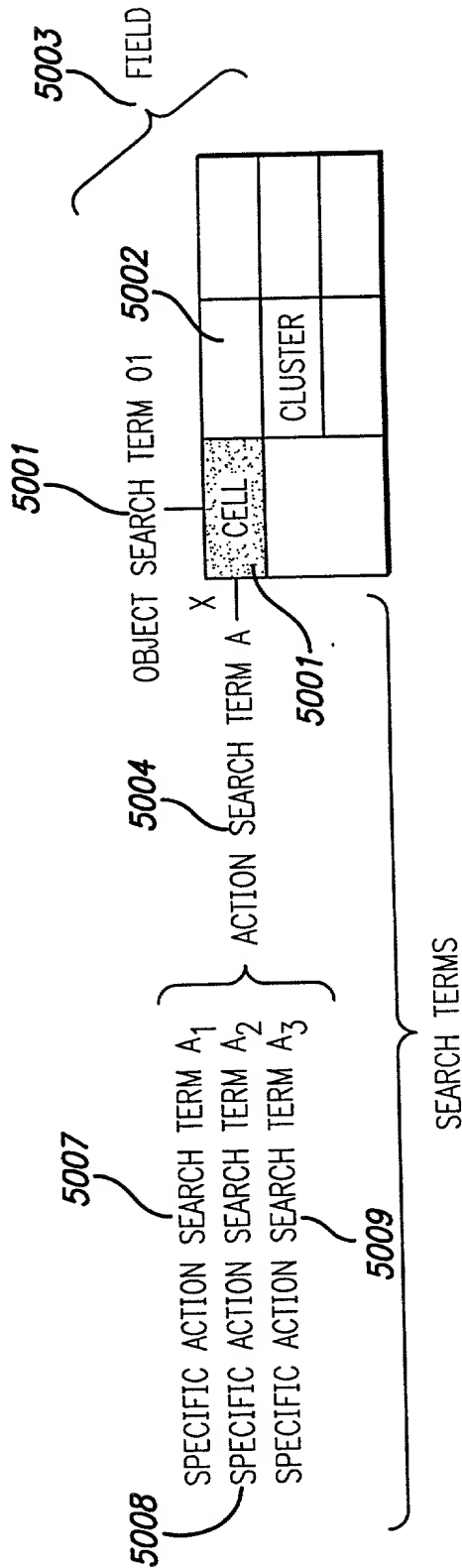
FIG. 3



INITIAL DEFINITIONS

FIG. 5

SEARCH TERM-A STRING OF TEXT TO BE FOUND WITHIN THE TEXT OR CLAIMS OF DESIRED PATENTS.
 SEARCH TERMS CAN BE CLASSIFIED AS EITHER "ACTION" OR "OBJECT."
 SEVERAL RELATED ACTION SEARCH TERMS MAY BE COMBINED TO REFLECT A SINGLE ACTION.
 CELL-A CROSS SECTION OF SEARCH TERMS (ACTION X OBJECT).
 CELLS ARE GIVEN A REFERENCE CODE (e.g. A01) TO DEPICT THE COMBINATION OF SOURCE SEARCH TERMS.
 THE REFERENCE CODE MAY BE FOLLOWED BY A C OR T TO NOTE THAT THE SEARCH TERMS WERE FOUND WITHIN THE TEXT OR CLAIMS OF THE INCLUDED PATENTS.
 CLUSTER-A GROUP OF NATURALLY RELATED CELLS.
 FIELD-A PATENT LANDSCAPE DEFINED BY THE COMPOSITE OF ALL CELLS.



THE POWER TO BE BOTH FOCUSED AND INCLUSIVE

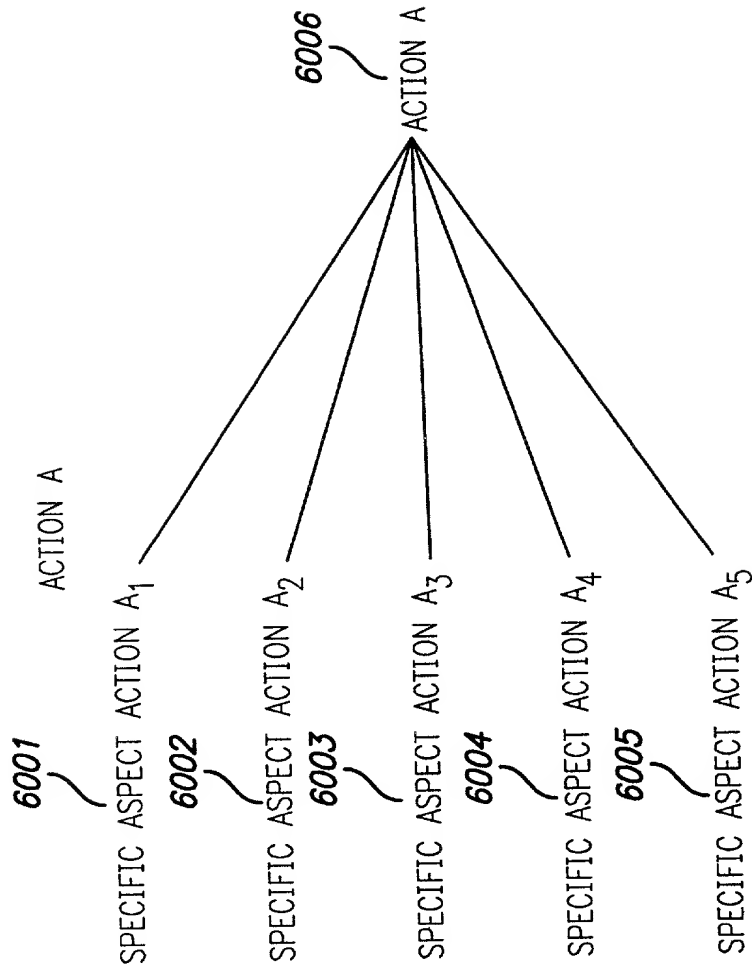


FIG. 6

*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

PATENT CROSS TAB REPORT

7001	7002	7003	7004	7005	7007	7008	7009	7010					
ASSIGNEE	DOCUMENT D	TITLE	ISSUED	DOCUMENT TYPE	HITS	WEIGHTED HITS	WEIGHTED ACTION	C01	C02	C03	C04	C05	C06
OBJECT WEIGHTS								1	1	2	1	1	3
	7011												
HE HOLDINGS	6025595	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	2/15/00	US	3	4	2	1	1	1		1	
RAYTHEON	WO 98/35496	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	3		1	1		1	
RAYTHEON	WO 98/35497	SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4		1	1		1	
HE HOLDINGS	5739531	SPRITE THERMAL IMAGING SYSTEM	4/14/98	US	3	4	3		1	1		1	
UNITED STATES OF AMERICA	4470816	THERMAL SIGHT TRAINER	9/11/84	US	3	5	3		1			1	1
LIU, ZHONG QI	6023637	METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING	2/8/00	US	2	4	3		1	1			

FIG. 7-2

[illegible]

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VACHTSEVANOS, GEORGE J.	5815198	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	9/29/98	US		2	4	1	1	1				
UNITED STATES OF AMERICA	5756990	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	5/26/98	US		2	1	4	1				1	
HUGHES ELECTRONICS	5737119	THERMAL IMAGING DEVICE	4/7/98	US		2	4	2				1	1	
HUGHES ELECTRONICS	5673143	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	9/30/97	US		2	4	2				1	1	
EASTMAN KODAK	5668596	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	9/16/97	US		2	3	2	1	1				
HE HOLDINGS DBA HUGHES ELECTRONICS	EP 0 762 173 A2	THERMAL IMAGING DEVICE	3/12/97	EP-A		2	4	1				1	1	

FIG. 7-3

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FIG. 8A-1

ASSIGNEE ROLLUP

8001

8021

8022

8023

8024

8025

8026

RANK	ASSIGNEE	HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	RC C01 01	RC C02 02	RC C03 03	RC C04 04	RC C05 05	RC C06 06
	8002 PATENTS							62	87	20	34	263	249
	8003 ISSUED PATENTS							49	65	17	23	206	222
	8004 APPLIED PATENTS							13	22	3	11	57	27
	8005 RECENT PATENTS							16	33	10	11	55	40
	8006 ISSUED RECENT PATENTS							14	22	7	7	44	34
	8007 APPLIED RECENT PATENTS							2	11	3	4	11	6
	8008 DOMINANCE							0.48	0.26	0.20	0.44	0.48	0.40
	8009 RECENT DOMINANCE							0.44	0.18	0.20	0.18	0.27	0.28
	8010 ISSUED INNOVATION FACTOR 4							0.33	0.62	0.69	1.29	0.10	0.17
	8011 APPLIED INNOVATION FACTOR 4							0.64	0.87	0.33	0.50	-0.02	0.19

[illegible]

FIG. 8A-2

8021 8022 8023 8024 8025 8026

HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
43	42	4	4	48	5
34	31	3	2	39	7
20	20	3	3	26	4
18	18	4	4	22	9
17	17	2	2	21	11
16	16	2	2	22	4
16	13	3	2	14	12
15	11	12	8	18	5
14	13	1	1	16	9
12	12			14	15
12	12	5	5	15	2
12	12	5	5	12	8
12	12	1	1	15	1
10	10			11	3
10	10	3	1	14	5

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 1 (APPLIED OR ISSUED)

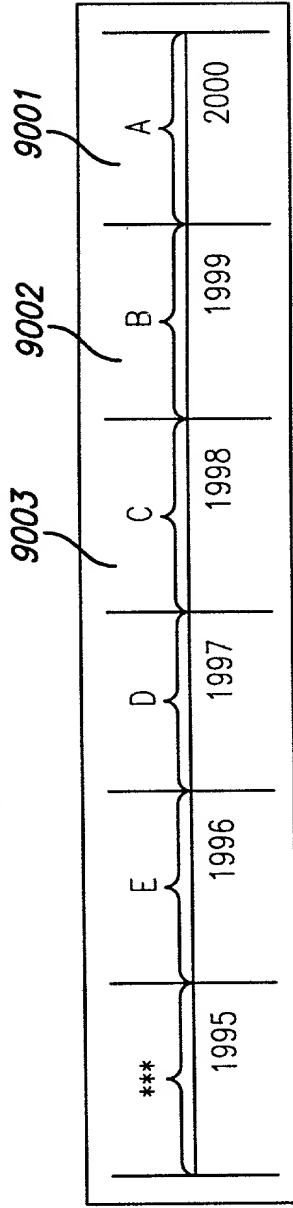
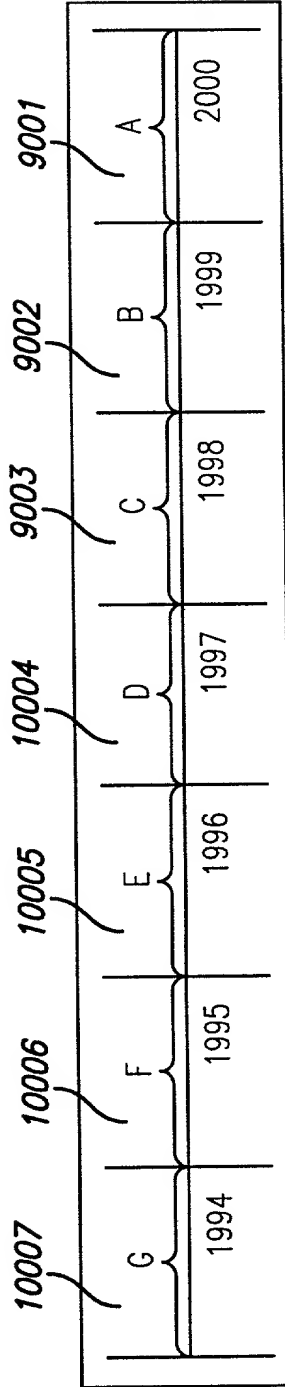


FIG. 9

$$9000 \text{ --- INNOVATION FACTOR } 9002 = \frac{A}{(B+C)/2} \text{ --- } 9001$$

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 4 (APPLIED OR ISSUED)



INNOVATION FACTOR 4 =

$$10012 \text{ --- } \left[\frac{(A-B)}{B} \times 6 \right] + \left[\frac{(B-C)}{C} \times 5 \right] + \left[\frac{(C-D)}{D} \times 4 \right] + \left[\frac{(D-E)}{E} \times 3 \right] + \left[\frac{(E-F)}{F} \times 2 \right] + \left[\frac{(F-G)}{G} \times 1 \right]$$

FIG. 10

CELL SELECTION MATRIX

CELL SELECTION INDEX IS CALCULATED FOR EACH CELL BASED ON THE IMPLIED
SUITABILITY FOR JOINT VENTURES OR INTERNAL DEVELOPMENT:

FIG. 11

	01 PHOTORECEPTOR OR PHOTO-RECEPTOR	02 DIGITAL IMAGE	03 DIGITAL SCAN	04 REMOTE NETWORK OR WIRELESS NETWORK	05 THERMAL IMAGE	06 OPTIC ALIGN
11001	A LICENSE	4	4	1.25	6	0
	B LICENSE				0	14
	C LICENSE	20	15	5	1.75	3.5
11002	A DEVELOP	16	6	1.25	14	0
	B DEVELOP				0	6
	C DEVELOP	5	15	7.5	0.75	1.5

FIG. 12

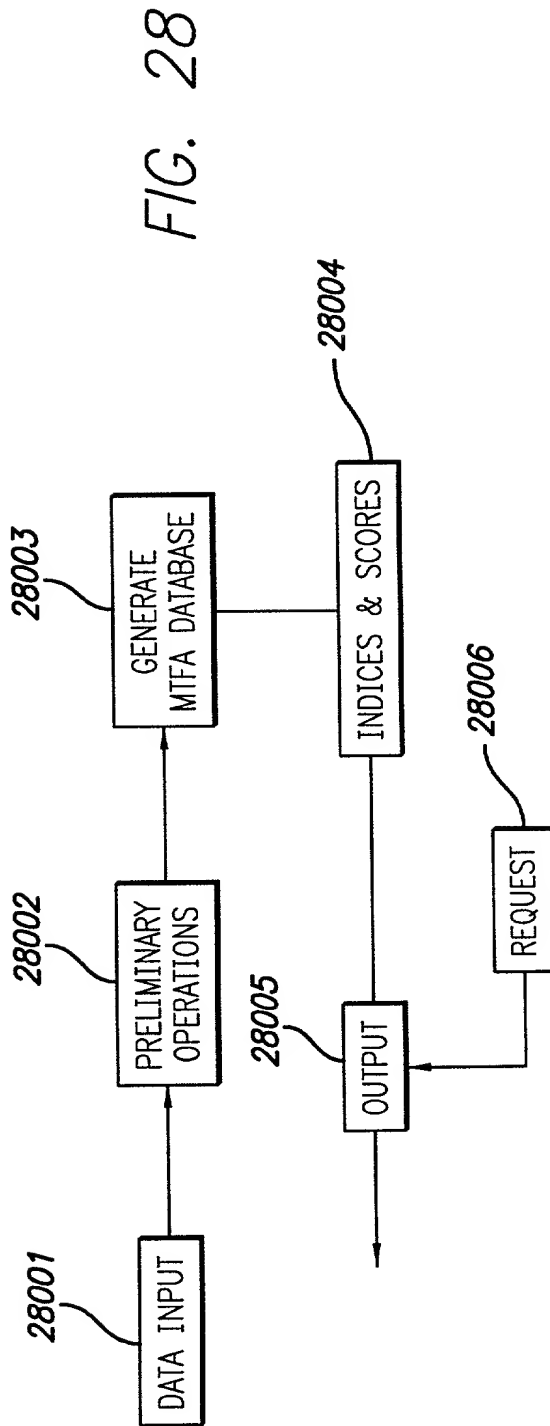
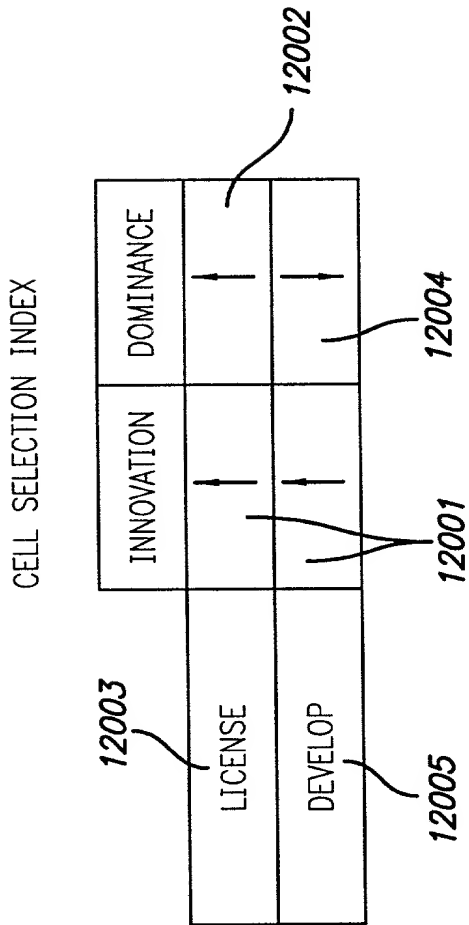
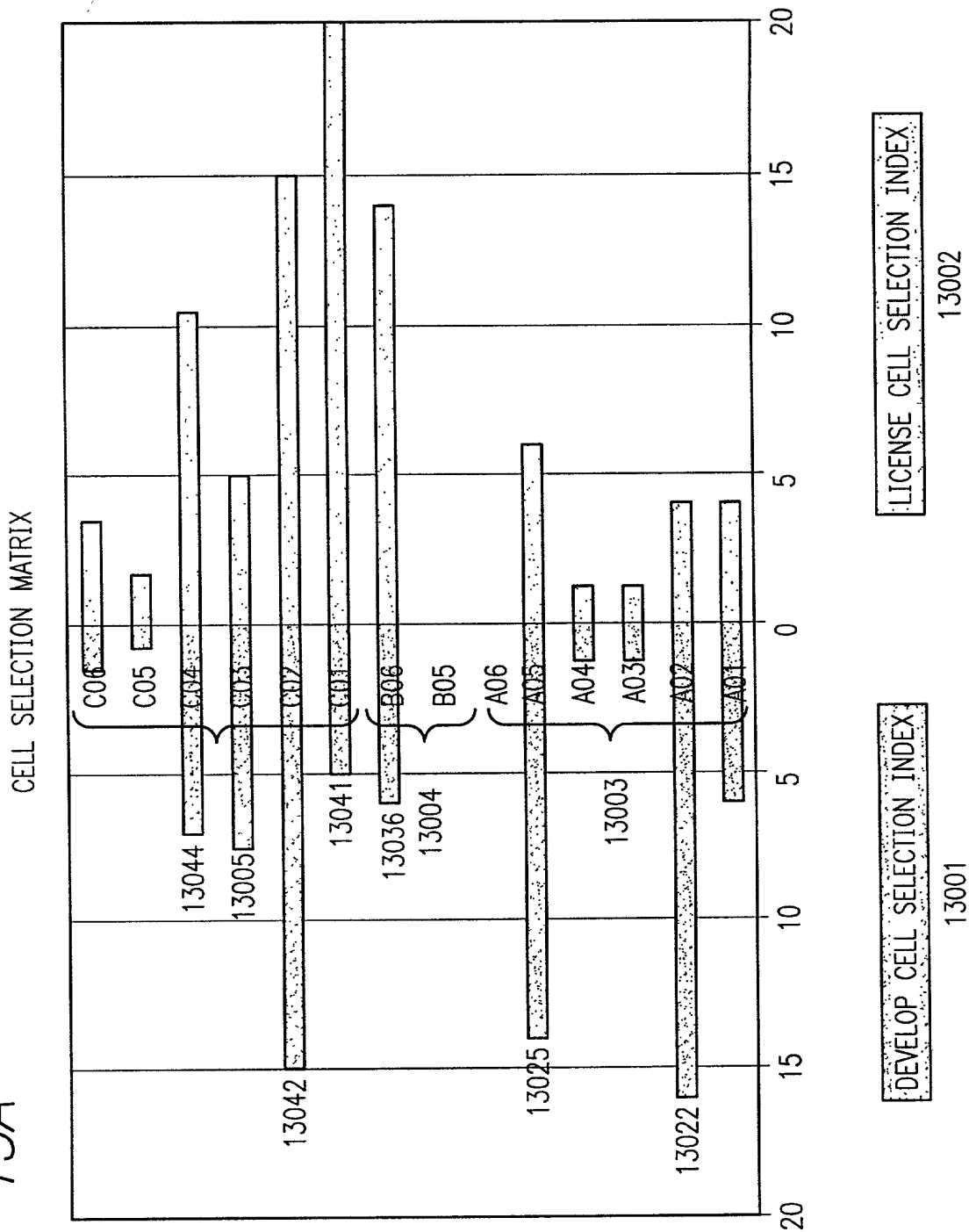
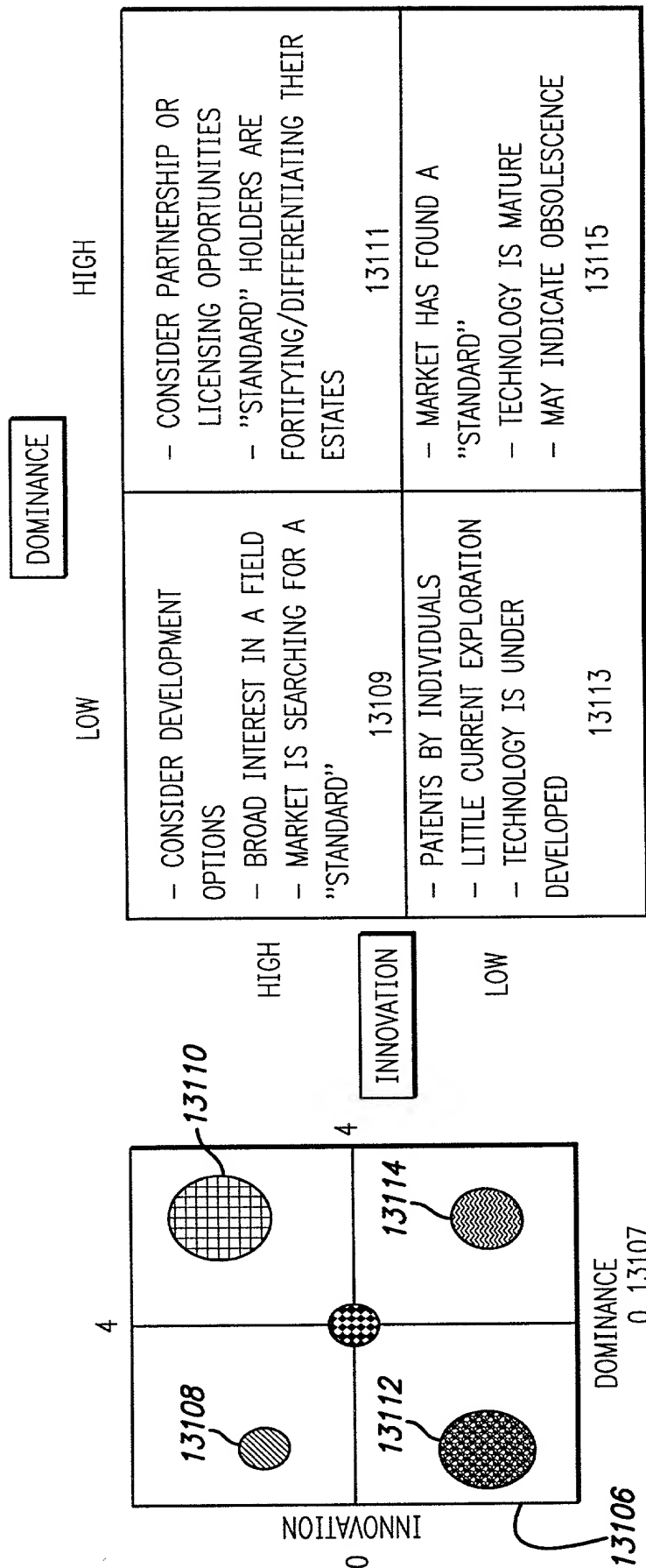


FIG. 13A



CELL SELECTION SCORE - BUBBLE CHART



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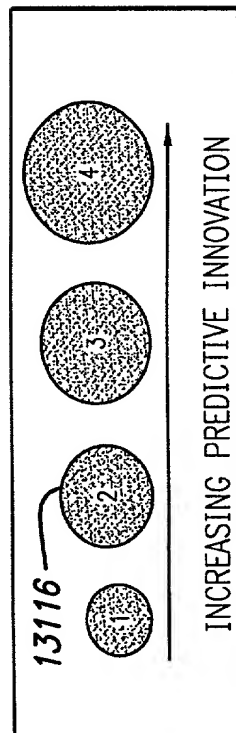


FIG. 13B

ASSIGNEE COMPOSITE SCORE

14002		14001					14010				
RANK	ASSIGNEE	PHOTORECEPTOR OR PHOTO-RECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN				
1	A	61.4	46.1	5.1	0.0	59.0	25.0				
2	B	0.0	55.4	0.0	0.0	26.4	80.6				
3	C	0.0	30.0	0.0	31.5	28.0	7.0				
4	D	400.0	0.0	10.0	0.0	0.0	0.0				
5	E	40.0	30.0	0.0	0.0	26.3	0.0				
6	F	0.0	15.0	0.0	147.0	0.0	10.5				
7	G	0.0	18.5	0.0	0.0	26.8	26.8				
8	H	0.0	147.3	28.6	0.0	30.1	20.0				
9	I	0.0	0.0	0.0	0.0	5.7	45.0				
10	J	0.0	0.0	0.0	0.0	3.5	35.0				
11	K	0.0	0.0	0.0	0.0	0.0	59.5				
12	L	260.0	0.0	0.0	0.0	7.0	0.0				
13	M	0.0	45.0	0.0	0.0	14.0	7.0				
14	N	0.0	0.0	0.0	0.0	1.8	31.5				
15	O	0.0	0.0	0.0	10.5	21.0	0.0				

FIG. 15B

ASSIGNEE COMPOSITE SCORE

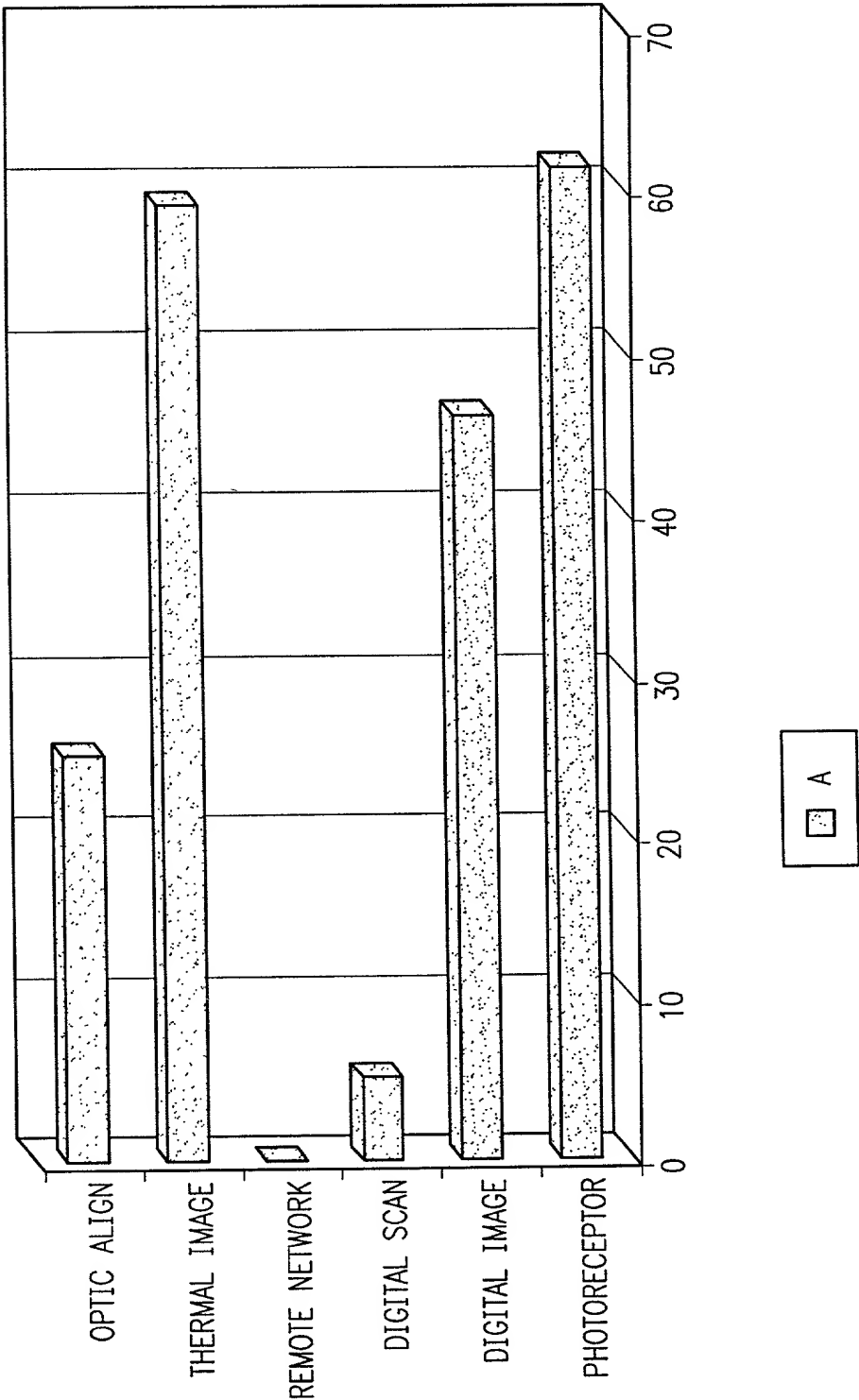
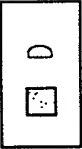
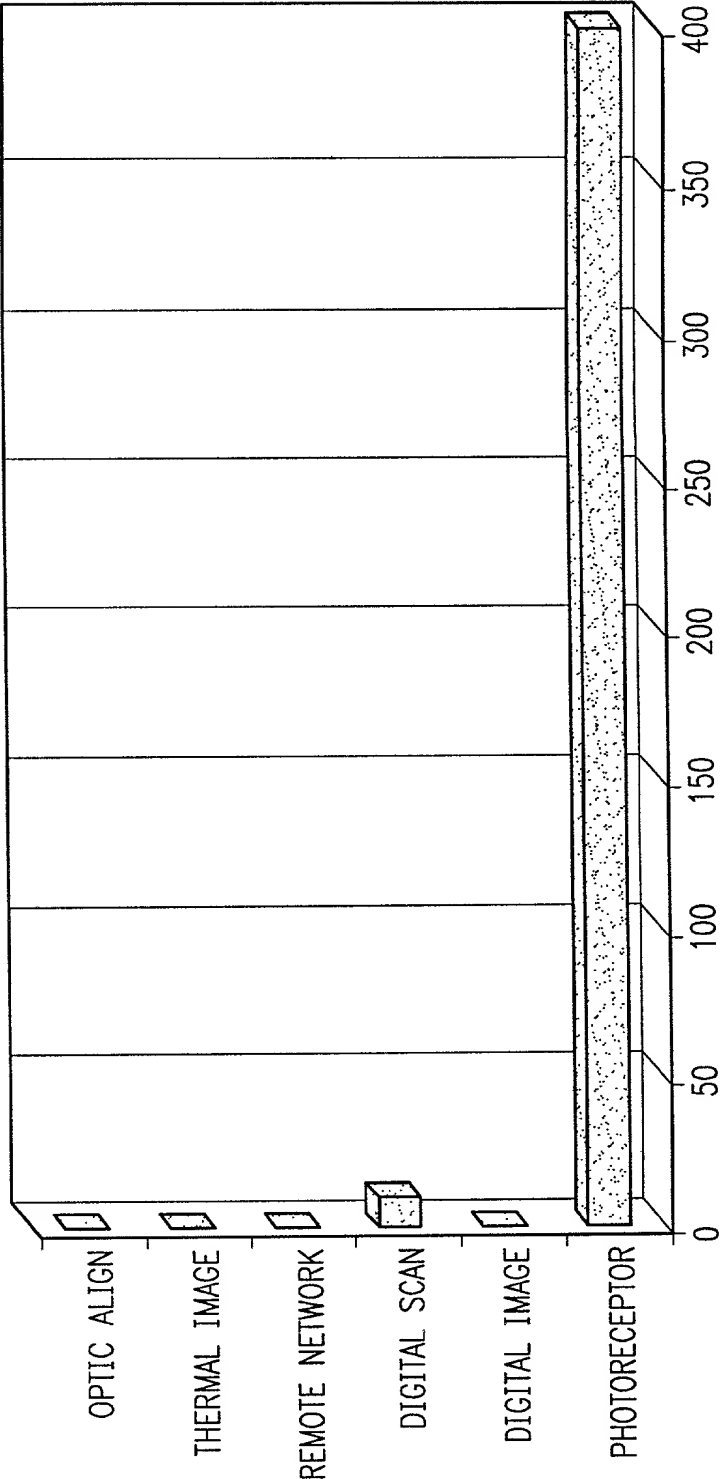


FIG. 15C

ASSIGNEE COMPOSITE SCORE



TOP SECRET

FIG. 15D

ASSIGNEE COMPOSITE SCORE

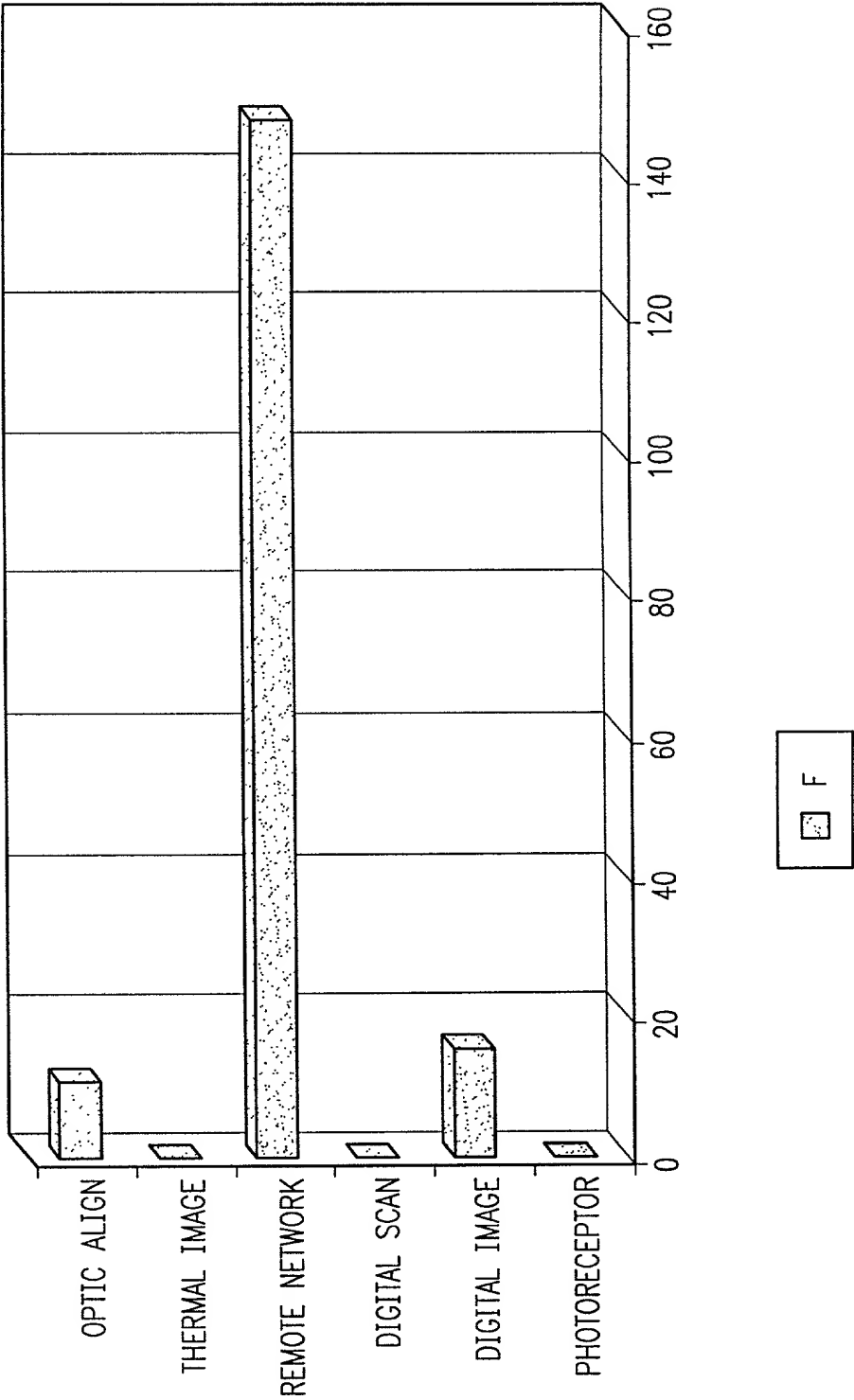


FIG. 15D - 85465250

FIG. 15E

ASSIGNEE COMPOSITE SCORE

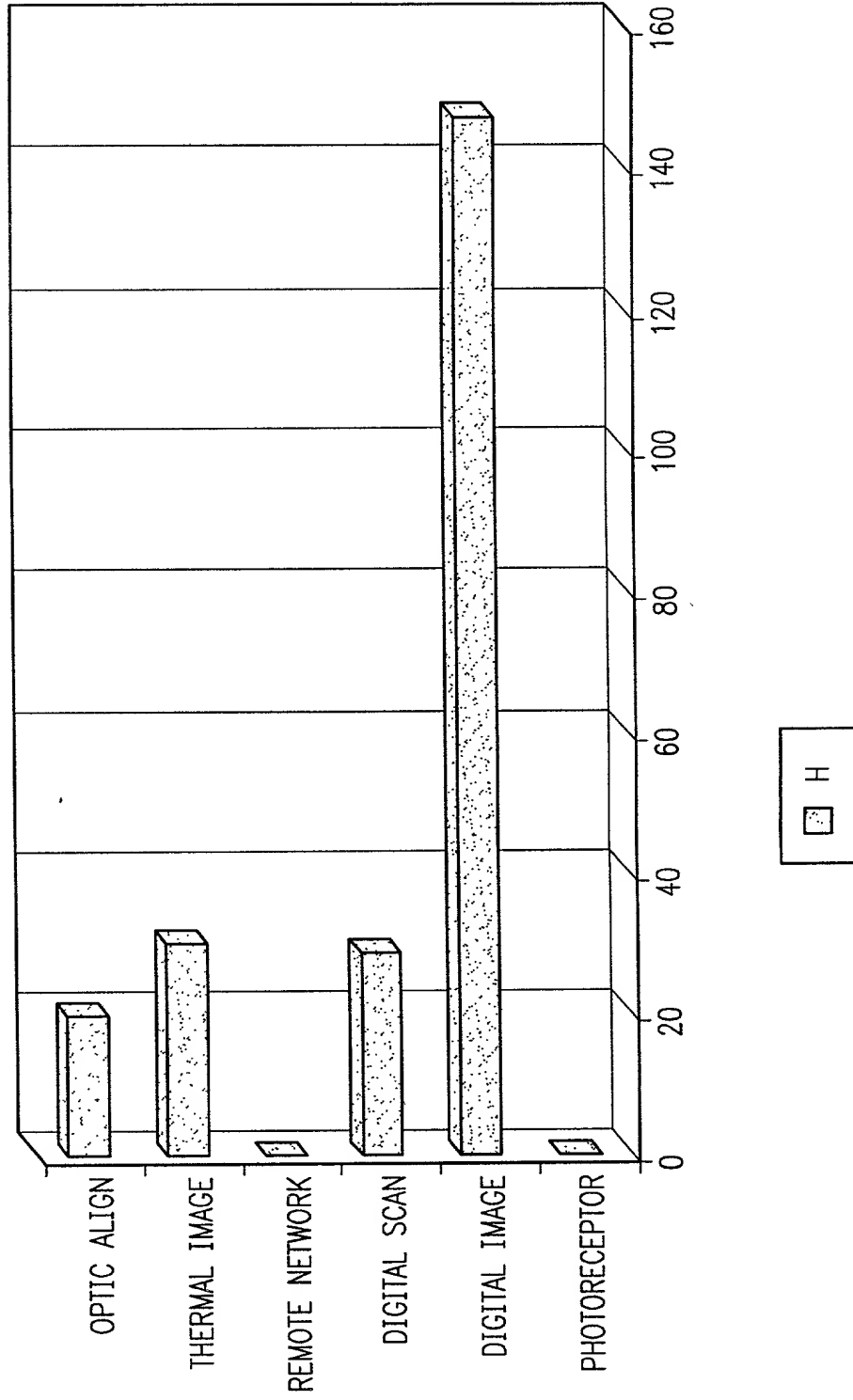
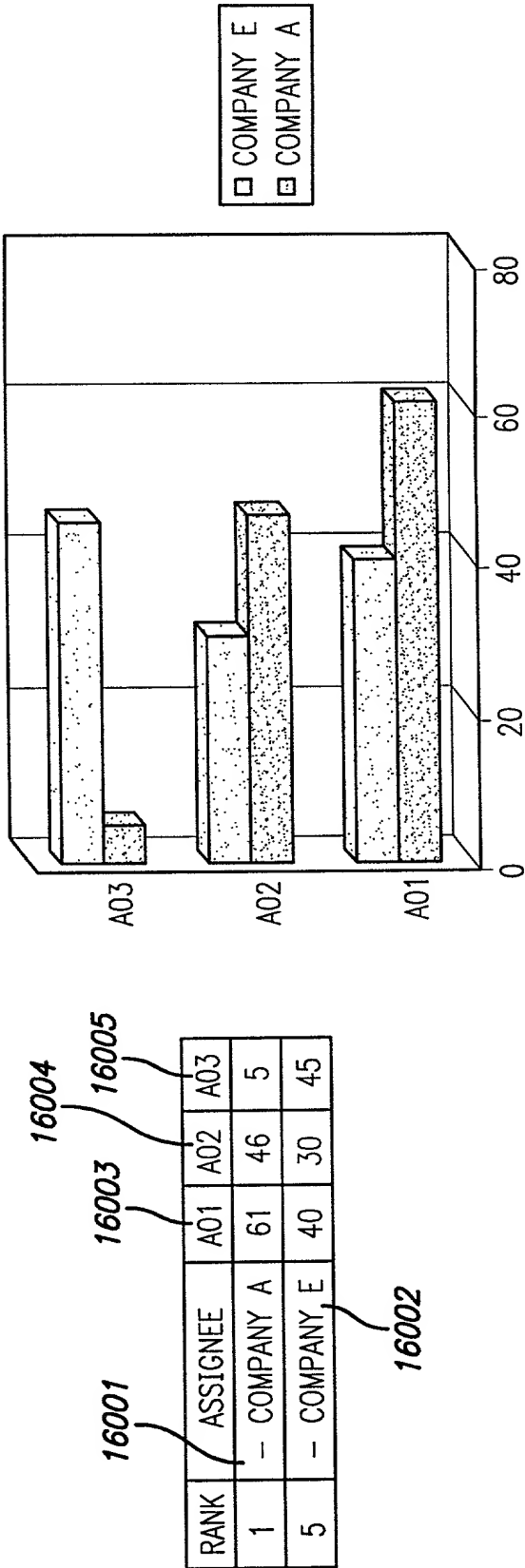


FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE



ASSIGNEE COMPOSITE SCORE

17001 — PHOTORECEPTOR

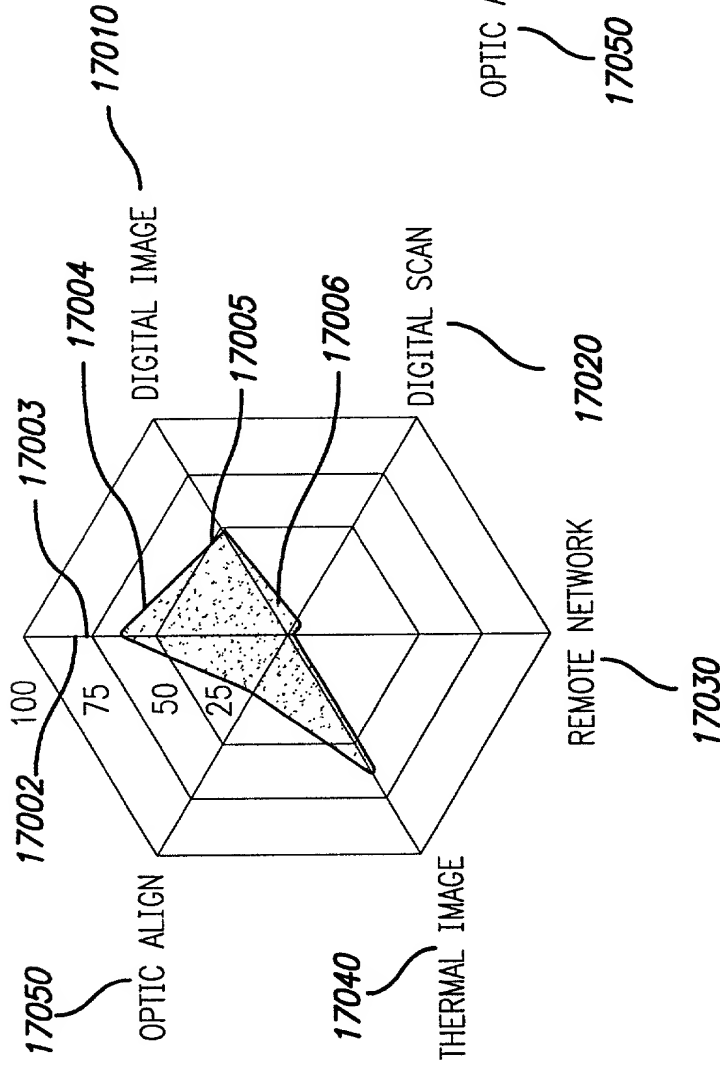


FIG. 18

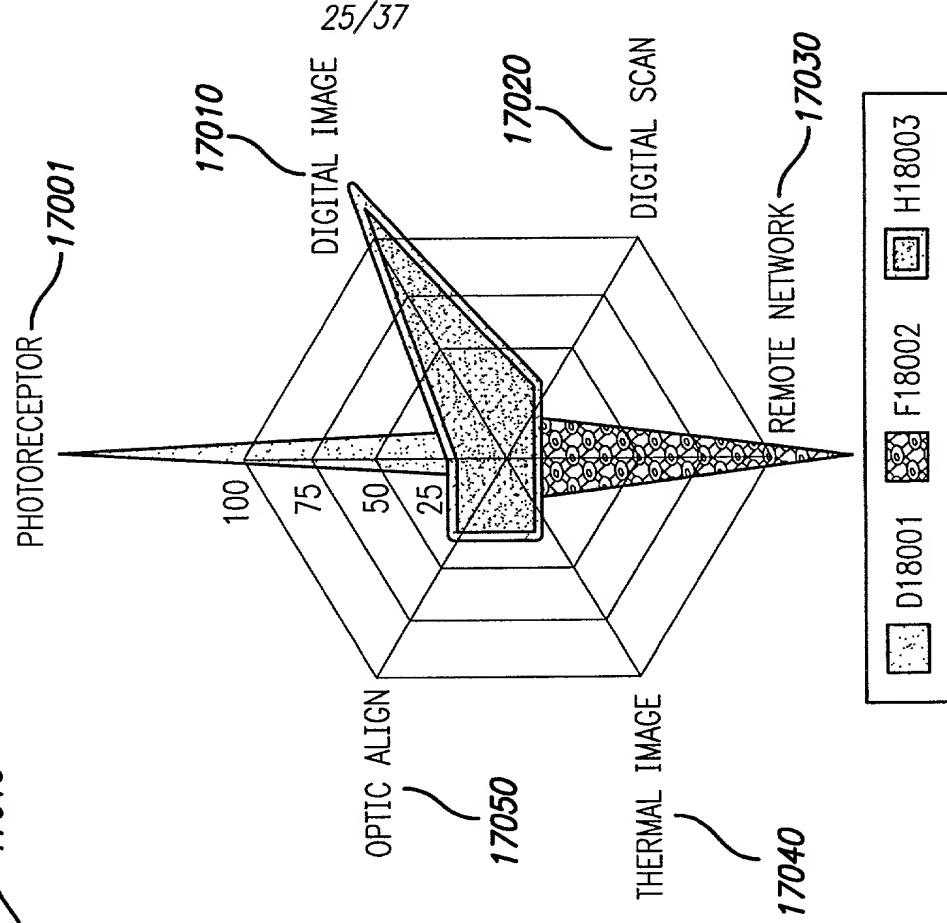


FIG. 17

FIG. 19

ASSIGNEE COMPOSITE SCORE

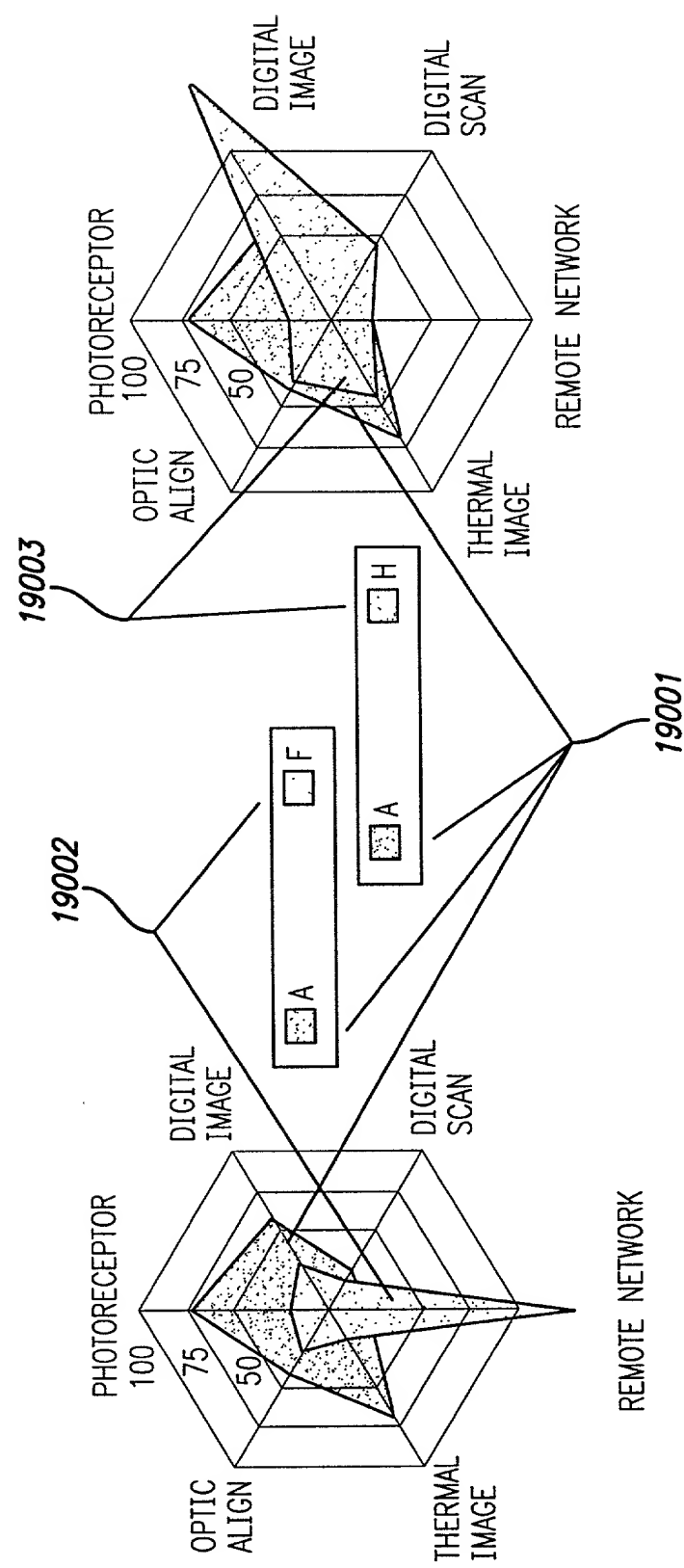


FIG. 20A

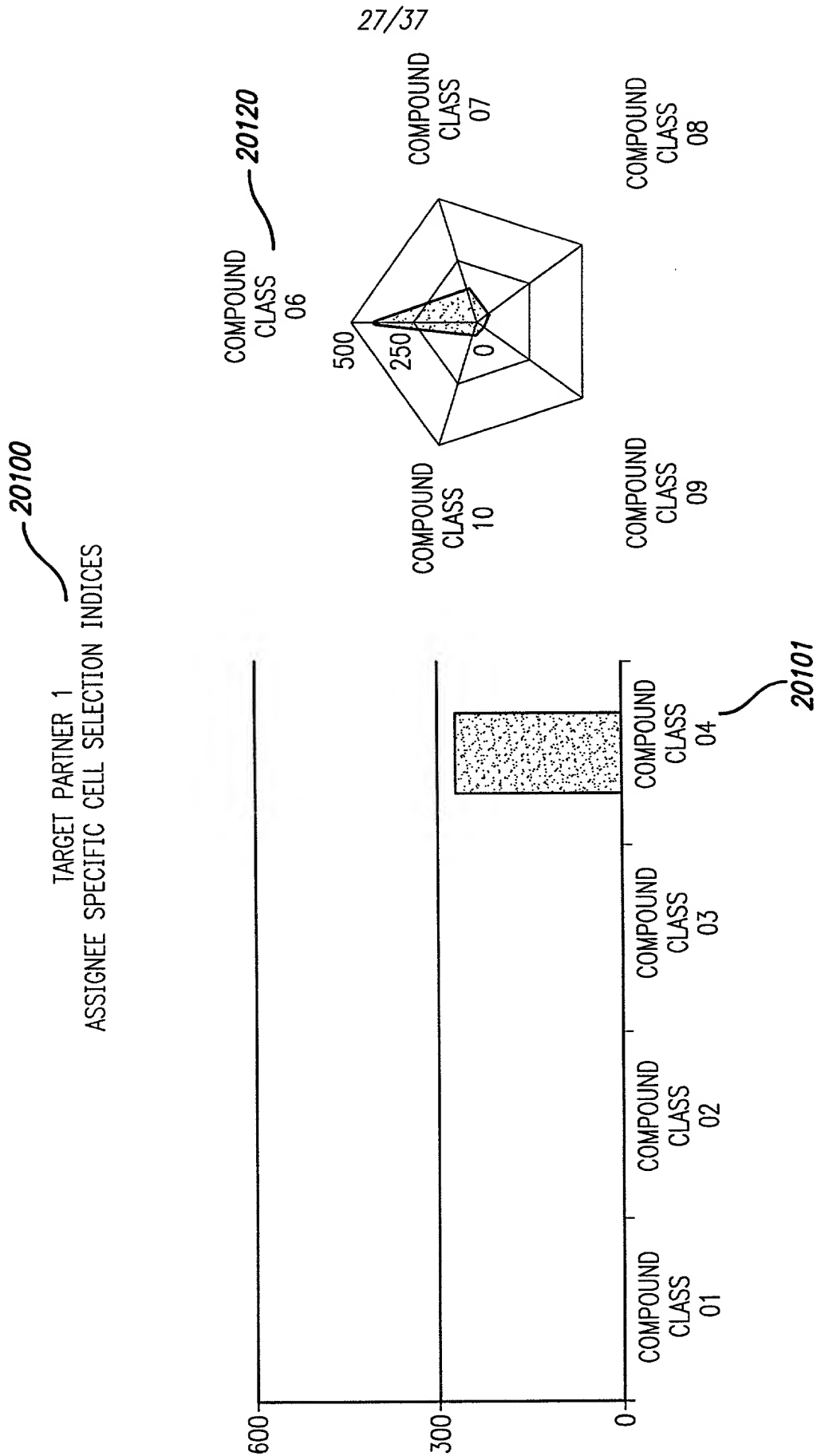


FIG. 20B

20200
ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

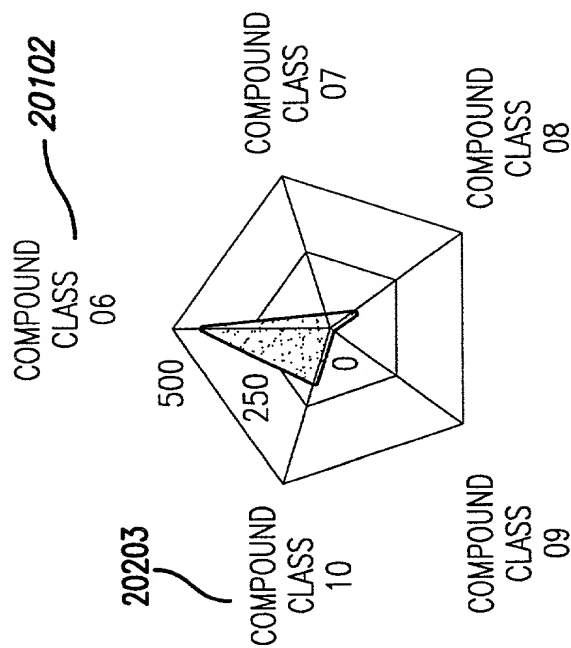
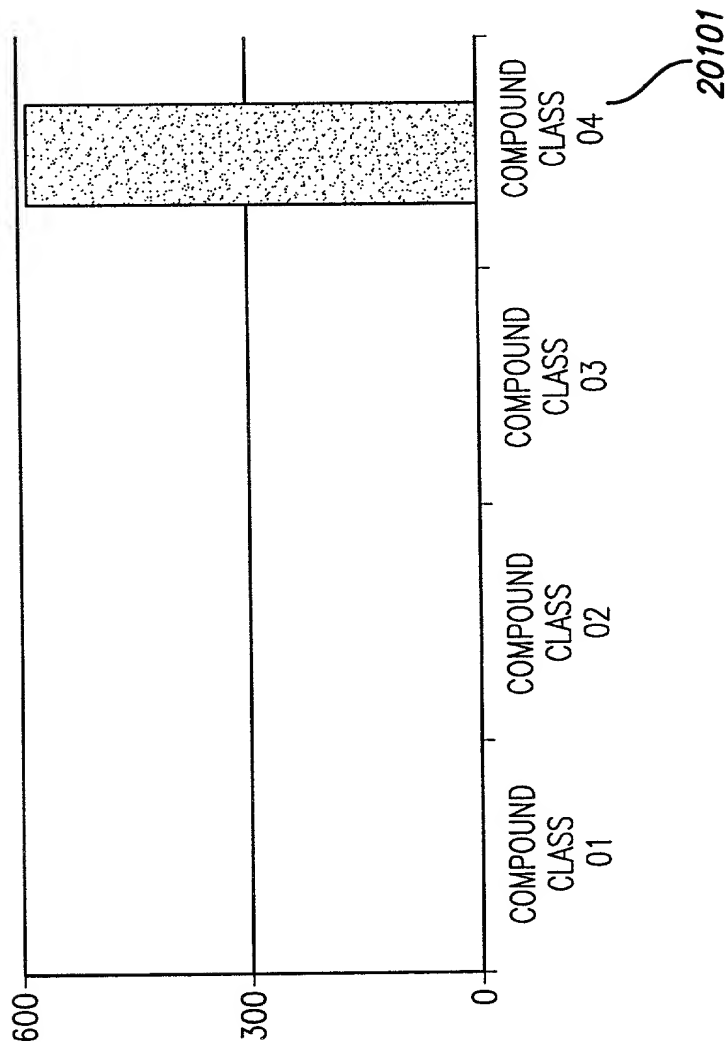


FIG. 20C

ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

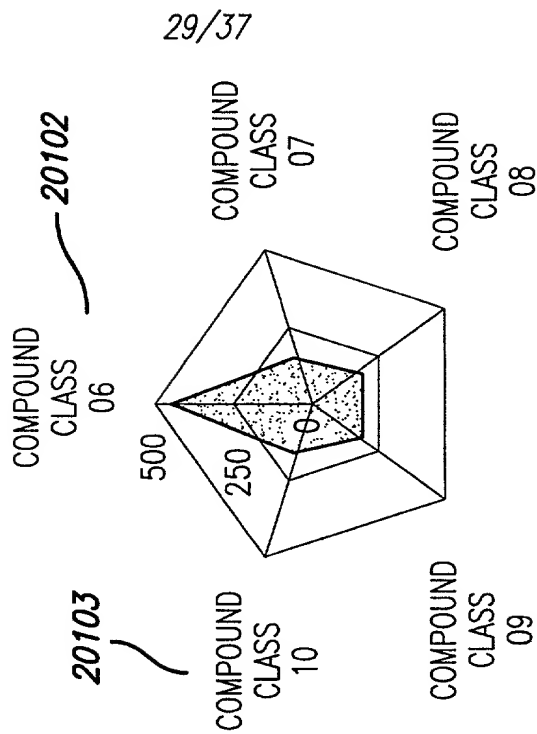
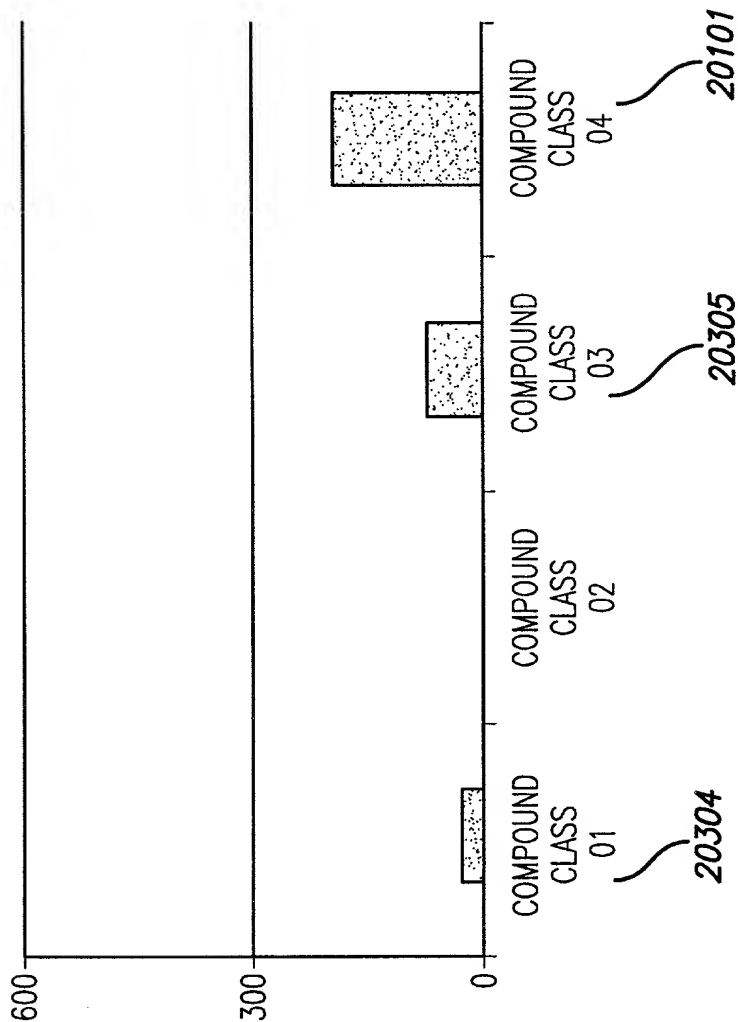


FIG. 21
ASSIGNEE FIELD INDEX VS. PATENT COUNT

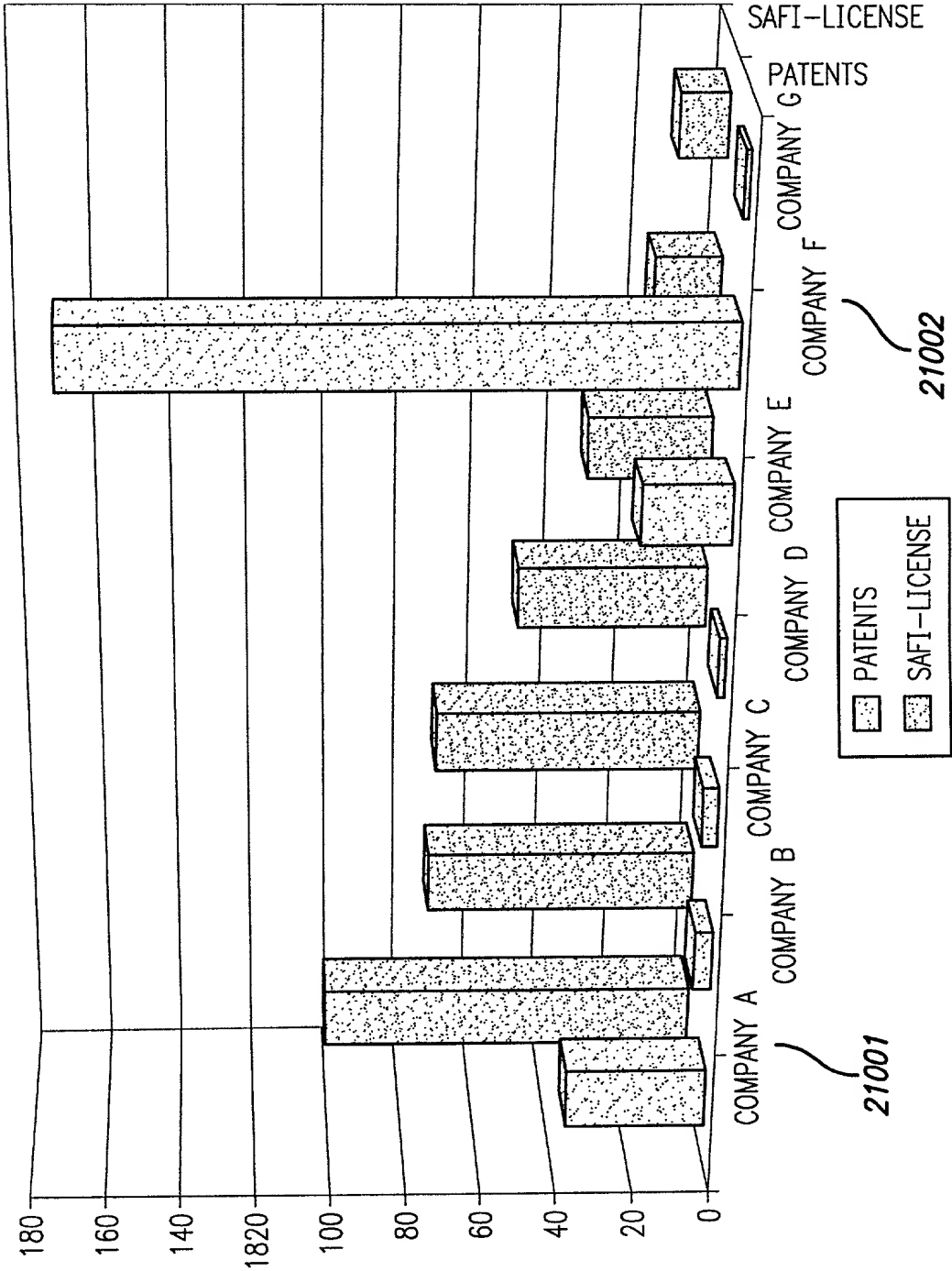


FIG. 22

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B

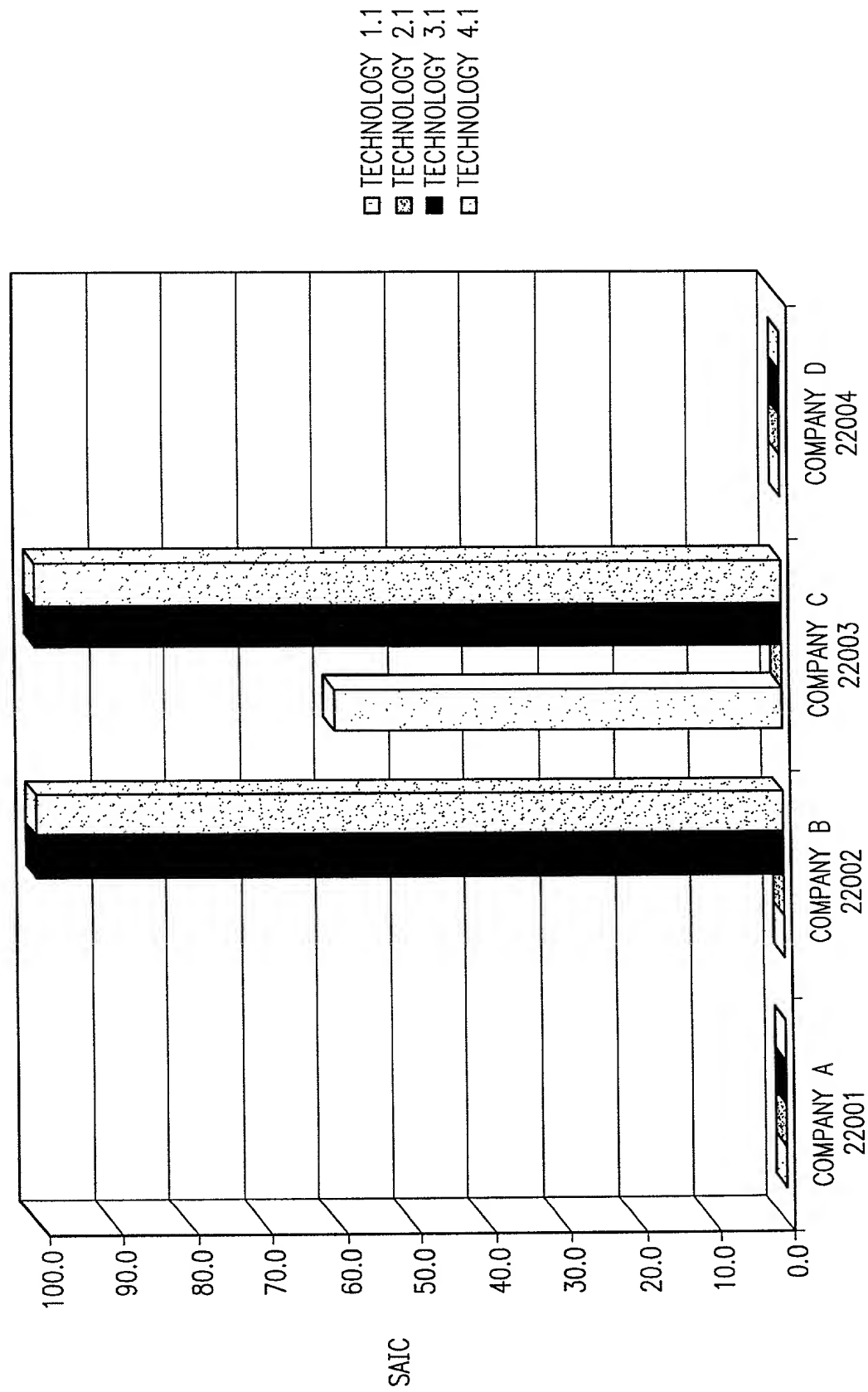
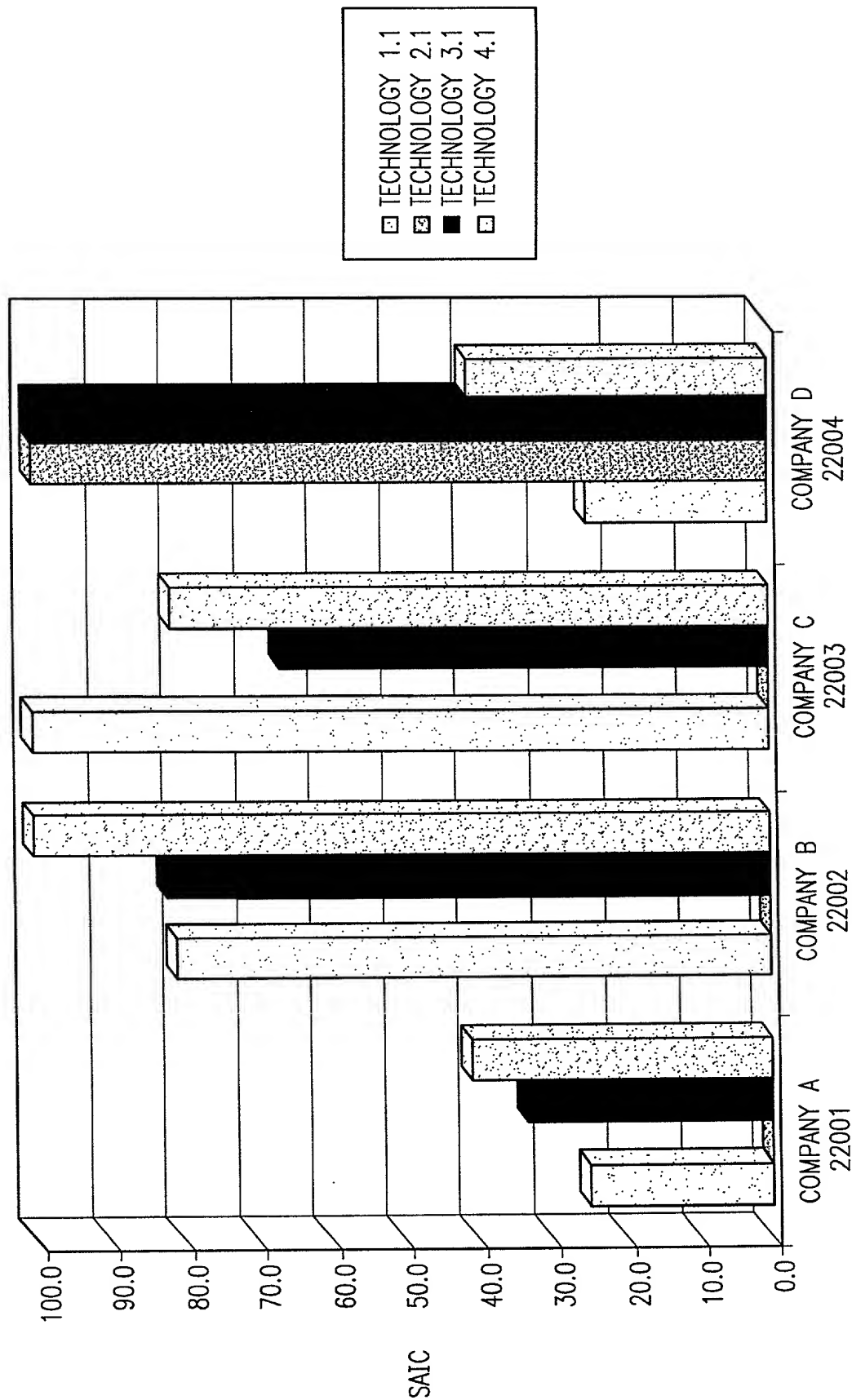
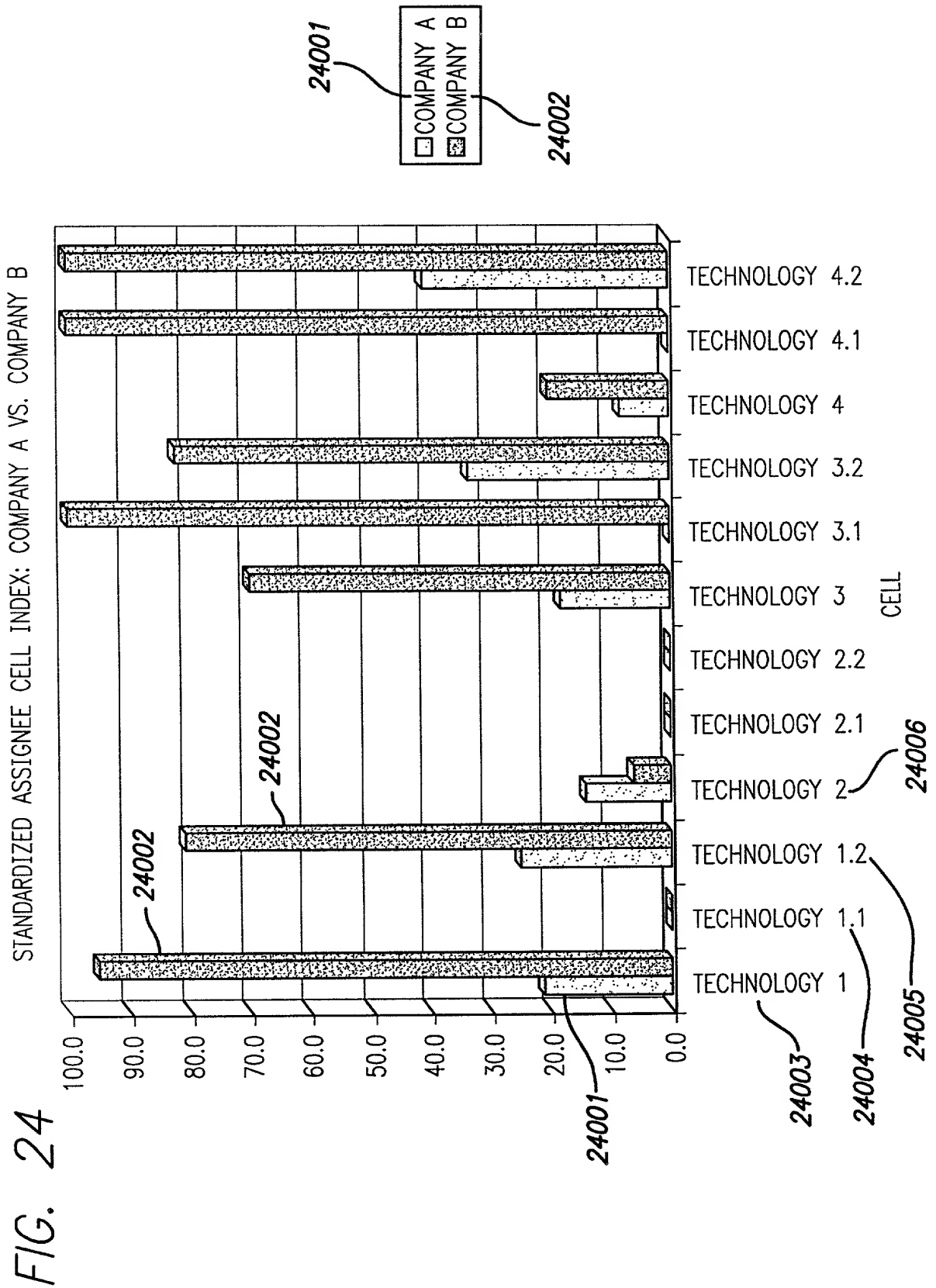


FIG. 23

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION C





NATURALLY DEFINED CLUSTERS

CLUSTERS	COUNT OF CELLS	OCCURRENCES
C05,A05	2	18
C06,A06	2	18
A01,C01	2	16
A02,C02	2	14
A05,C05	2	14
A06,C06	2	14
B06,C06	2	10
C02,C05	2	10
C01,A01	2	8
C03,C05,C02	2	6
C02,C03	2	6
C05,C02	2	6
C06,B06	2	6
C04,A04,A06,C06	4	4
C06,A06,C05,A05	4	4

A	NEAR INFRARED
B	FAR INFRARED
C	INFRARED

01	PHOTORECEPTOR					
02	DIGITAL IMAGE					
03	DIGITAL SCAN					
04	WIRELESS NETWORK					
05	THERMAL IMAGE					
06	OPTIC ALIGN					

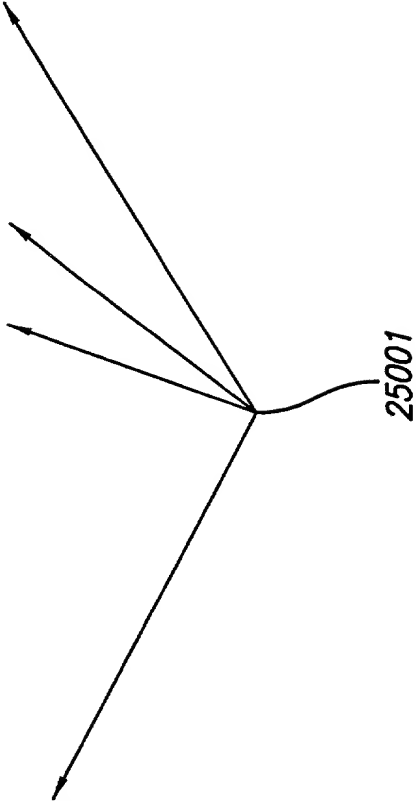


FIG. 25A

FIG. 25B

C02,C03,C05
EASTMAN KODAK MINNESOTA MINING & MANUFACTURING TEXAS INSTRUMENTS UNITED STATES OF AMERICA HUGHES ELECTRONICS POLAROID RAYTHEON MATSUSHITA INDUSTRIAL ELECTRIC US PHILIPS HE HOLDINGS DBA HUGHES ELECTRONICS HONEYWELL AGFA-GEVAERT MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAIRNS & BROTHER NEC RAYTHEON TI SYSTEMS

FIG. 26

TOP INVENTORS
EASTMAN KODAK

CLUSTERS	HITS	PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
CHAPMAN, DEREK D.	10	10	11	4
DEBOER, CHARLES D.	8	8	9	5
EVANS, STEVEN	6	6	6	3
BURBERRY, MITCHELL S.	3	3	4	3
SCHILDKRAUT, JAY S.	2	2	3	4
TUTT, LEE W.	2	2	3	3
MOMOT, DAVID	2	2	2	3
BUGNER, DOUGLAS E.	2	1	2	4
BYER, GARY W.	2	1	2	6
KOLB, JR., FREDERICK J.	2	1	2	2
VOGEL, RICHARD M.	2	1	2	1
HARVEY, DONALD M.	1	1	3	4
DE GROOT, GERALD H.	1	1	2	5
MCLINTYRE, DALE F.	1	1	2	1
SIMPSON, WILLIAM H.	1	1	2	3
BLOOM, RICHARD M.	1	1	1	2

